NEWLIFE® elite

Patient Manual

Oxygen Concentrator

Includes *Oxygen Monitor, Air Outlet, Dual Flow, and Pediatric Flow Options*

AIRSEP®

DO NOT OPERATE THIS EQUIPMENT WITHOUT FIRST READING AND UNDERSTANDING THIS MANUAL. IF YOU ARE UNABLE TO UNDERSTAND THE WARNINGS AND INSTRUCTIONS, CONTACT YOUR EQUIPMENT PROVIDER BEFORE ATTEMPTING TO USE THIS EQUIPMENT; OTHERWISE, INJURY OR DAMAGE MAY RESULT.

Smoking while using oxygen is the number one cause of fire, injuries and related deaths. You must follow these safety warnings:

Do not allow smoking, candles, or open flames in the same room with the device or within 5 feet (1.52 meters) of the oxygen-carrying accessories.

Smoking while wearing an oxygen cannula may cause facial burns and possibly death.

Removing the cannula and putting it on bedding, sofas, or other cushion material will cause a flash fire when exposed to a cigarette, heat source, or flame.

If you smoke, these 3 steps may save your life: turn off the oxygen concentrator, take off the cannula, and leave the room where this device is located.

"**No Smoking** – **Oxygen in Use**" signs must be prominently displayed in the home, or where the oxygen concentrator is in use. Patients and their caregivers must be informed about the dangers of smoking in the presence of, or while using, medical oxygen.

English: A multilingual version of the manual is available through your equipment provider.
Español: Una versión multilingüe del manual está disponible a través de su proveedor de equipo.
Français: Une version multilingue du manuel est disponible par l'intermédiaire de votre fournisseur de matériel.
Deutsche: Eine mehrsprachige Version des Handbuchs ist in Ihrer Geräte-Anbieter.

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AirSep® NewLife® Elite Oxygen Concentrator

This Patient Manual will acquaint you with AirSep's NewLife Elite Oxygen Concentrator. Make sure you read and understand all the information contained in this manual before you operate your unit. Should you have any questions, your Equipment Provider will be happy to answer them for you.

Important Safety Rules

Carefully review and familiarize yourself with the following important safety information about the NewLife Elite Oxygen Concentrator.

"No Smoking – Oxygen in Use" signs must be prominently displayed in the home, or where the oxygen concentrator is in use. Patients and their caregivers must be informed about the dangers of smoking in the presence of, or while using, medical oxygen.

This device supplies high-concentration oxygen that promotes rapid burning. Do not allow smoking or open flames within the same room of (1) this device, or (2) any oxygen-carrying accessory. Failure to observe this warning can result in severe fire, property damage and / or cause physical injury or death.

This unit is not to be used for life support. Geriatric, pediatric, or any other patients unable to communicate discomfort while using this machine may require additional monitoring. Patients with hearing and/or sight impairment(s) may need assistance with monitoring alarms.

If you feel discomfort or are experiencing a medical emergency, seek medical assistance immediately

Use no oil, grease, or petroleum-based or other flammable products on or near nasal end of cannula or the NewLife Elite unit. Oxygen accelerates the combustion of flammable substances.

Electrical shock hazard. Disconnect the power cord from the electric outlet before you clean the unit to prevent accidental electrical shock and burn hazard. Only your Equipment Provider or a qualified service technician should remove the covers or service the unit.

Do not leave a nasal cannula under bed coverings or chair cushions. If the unit is turned on but not in use, the oxygen will make the material flammable. Set the I/O power switch to the O (off) position when the NewLife Elite unit is not in use.

Do not use extension cords with this unit or connect too many plugs into the same electrical outlet. The use of extension cords could adversely affect the performance of the device. Too many plugs in one outlet can result in an overload to the electrical panel causing the breaker/fuse to activate or fire if the breaker or fuse fails to operate.

Use only voltage specified on back panel label.

Do not use your oxygen concentrator in the presence of flammable gases. This can result in rapid burning causing property damage, bodily injuries or death.

Care should be taken to prevent NewLife Elite from getting wet or allowing water to enter the unit. This can cause the unit to malfunction or shut down, and cause an increased risk for electrical shock or burns.

Do not use liquid directly on the unit. A list of undesirable chemical agents includes but is not limited to the following: alcohol and alcohol-based products, concentrated chlorine-based products (ethylene chloride), and oil-based products (Pine-Sol™, Lestoil™). These are NOT to be used to clean the plastic housing on NewLife Elite, as they can damage the unit's plastic.

	Clean the cabinet, control panel, and power cord only with a mild household cleaner applied with a damp cloth or sponge, and then wipe all surfaces dry. Do not allow any liquids to enter the concentrator.
	Ensure concentrator is operated in an upright position.
	AirSep recommends an alternate source of supplemental oxygen in the event of a power outage, alarm condition, or mechanical failure. Consult your physician or Equipment Provider for the type of reserve system required.
	Federal (USA) law restricts this device to sale or rental by order of a physician or other licensed health care provider.
	It is very important to follow the prescribed level of oxygen flow. Do not increase or decrease the flow until you first consult your physician.
	In the event of an alarm or you observe the NewLife Elite is not working properly; consult the troubleshooting section of this manual. If you cannot resolve the problem, consult your Equipment Provider.
	Do not operate this unit in a restricted or confined space where ventilation can be limited. This can cause the device to overheat and affect performance.
	Storing the device outside of its temperature specifications may affect performance (refer to the specification section of the manual).

If the alarm is weak or does not sound at all, consult your Equipment Provider immediately.

Position the unit away from curtains or drapes, hot air registers or heaters. Be certain to place the unit on a flat surface and make sure all sides are at least 1 foot (30 cm) away from a wall or other obstruction. Do not place the unit in a confined area. Choose a dust and smoke free-location away from direct sunlight. Do not operate the unit outdoors unless the unit is plugged into a Ground Fault Circuit Interrupter (GFCI) protected outlet.

If the humidifier bottle tubing is not properly connected to the humidifier bottle fitting or the oxygen outlet, an oxygen leak can occur.

Normally, you should not need to adjust the flowmeter on your unit. If you turn the flowmeter adjustment knob clockwise, you will decrease and can shut off the flow of oxygen from your unit. For your convenience, the flowmeter is marked in ½ lpm increments from 1 to 5 lpm. For units with the pediatric flowmeter option, the flowmeter is marked in 1/8 lpm increments for flow settings up to 2 lpm.

To prevent a voided AirSep warranty, follow all manufacturers' instructions.

Replace the disposable cannula periodically following normal usage according to your Equipment Providers recommendations.

AirSep does not recommend the sterilization of this equipment.

Do not attempt any maintenance other than the possible solutions listed below.

Always follow the cannula manufacturer's instructions for proper use. Consult your licensed health care provider to determine how often the cannula should be replaced.

The standard NewLife Elite Oxygen Concentrator accommodates prescriptions from 1 to 5 lpm.

For prescriptions levels below 1 lpm, you must operate the NewLife Elite unit for at least 5 minutes at 2 lpm.

The use of some oxygen administration accessories not specified for use with this oxygen concentrator may impair its performance.

The use of certain humidifiers not specified for use with this oxygen concentrator may impair its performance.

To Equipment Provider: The following humidifier bottle is recommended for use with the NewLife Elite Oxygen Concentrator:

AirSep Part No. **HU003-1**

To Equipment Provider: The following oxygen administration accessories are recommended for use with the NewLife Elite Oxygen Concentrator:

- Nasal Cannula with 7 feet (2.1 m) of tubing: AirSep Part No. **CU002-1.**
- Oxygen Outlet Adapter: AirSep Part No. **F0025-1**.

Why Your Physician Prescribed Oxygen

Many people suffer from a variety of heart, lung, and other respiratory diseases. A significant number of these patients can benefit from supplemental oxygen therapy at home, in the hospital, or at a medical facility.

Oxygen is a gas that makes up 21% of the room air we breathe. Our bodies depend on a steady supply to function properly. Your physician prescribed a flow or setting to address your particular respiratory condition.

Although Oxygen is a non-additive drug, unauthorized oxygen therapy can be dangerous. You must seek medical advice before you use this oxygen concentrator. The Equipment Provider who supplies your oxygen equipment will demonstrate how to set the prescribed flow rate.

It is very important to select the prescribed level of oxygen flow. Do not increase or decrease the flow until you first consult your physician.

[Read the Important Safety Rules section before operating this equipment.]

What is an Oxygen Concentrator?

Oxygen concentrators were introduced in the mid-1970's and have become the most convenient, reliable source of supplemental oxygen available today. Oxygen concentrators are the most cost-effective, efficient, and safest alternative to using high-pressure oxygen cylinders or liquid oxygen. An oxygen concentrator provides all the oxygen you need with no cylinder or bottle deliveries required.

The air we breathe contains approximately 21% oxygen, 78% nitrogen, and 1% other gases. In the NewLife Elite unit, room air passes through a regenerative, adsorbent material called "molecular sieve." This material separates the oxygen from the nitrogen. The result is a flow of high-concentration oxygen delivered to the patient.

NOTE

There is never a danger of depleting the oxygen in a room when you use your NewLife Elite unit.

How to Operate Your Oxygen Concentrator

First, become familiar with the important parts of your NewLife Elite Oxygen Concentrator (Figures 1a and 1b).

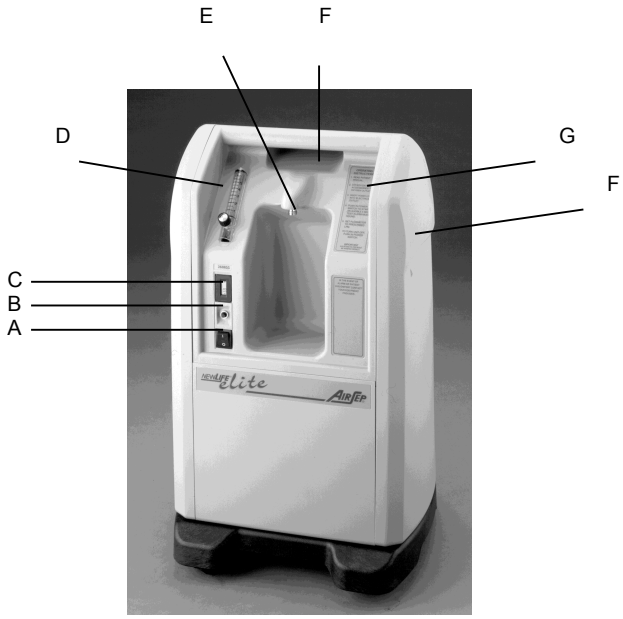


Figure 1a

A. On/Off (I/O) Power Switch:
Starts and stops the operation of the unit.

B. Circuit Breaker Reset Button:
Resets the unit after electrical overload shutdown

C. Digital Hour Meter:
Records the unit's total hours of operation.

D. Flowmeter/Adjustment Knob:
Controls and indicates the oxygen flow rate in liters per minute (lpm).

E. Oxygen Outlet :
Provides connections for a humidifier (if required) or nasal cannula.

F. Top and Side Handles:
Enables convenience in carrying the unit.

G. Operating Instructions:
Explains procedures to operate the unit.

I. Air Intake Gross Particle Filter:
Prevents dust and other airborne particles from entering the unit.

J. Power Cord:
Allows connection of unit into electrical outlet.

Figure 1b

> **WARNING** Do not use extension cords with this unit or connect too many plugs into the same outlet. Too many plugs in one outlet can result in an overload to the electrical panel causing the breaker/fuse to activate or fire if the breaker or fuse fails to operate.

1. Locate the unit near an electrical outlet in the room where you spend most of your time.

2. Position the unit away from curtains or drapes, hot air registers, heaters, and fireplaces. Be certain to place the unit so all sides are at least 12 inches (30.5 cm) away from a wall or other obstruction. Do not place the unit in a confined area.

3. Turn the unit so that the operating controls are within easy reach and the air intake on the back of the unit is not obstructed.

4. Connect oxygen accessories such as a humidifier (if required), nasal cannula, and/or extension tubing to the oxygen outlet.

5. Completely unwrap the power cord (Figure 1b).

6. Insert power cord into the electrical outlet.

7. Locate the power switch on the front of the unit, and switch it to the **I** position (on). (Figure 2.)

A battery-operated audible alarm must sound for a 5-second test to indicate a good battery and alarm.

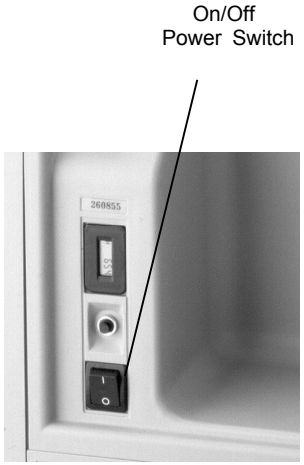


Figure 2

CAUTION

If the alarm is weak or does not sound at all, consult your Equipment Provider immediately.

NOTE

The standard NewLife Elite Oxygen Concentrator accommodates prescriptions from 1 to 5 lpm.

8. *Dual Flow and High Flow Applications:* Set the flowmeter adjustment knob(s) to the prescribed lpm, in any combination of flows up to a total of 5 lpm for Dual 5 units (Figure 3).

or

Pediatric/Low Flow Applications: Set the flowmeter adjustable knob(s) to the prescribed lpm up to 2 lpm in 1/8 liter (125 ccm) increments.

The concentrator is now ready for use.

Figure 3

9. To turn the concentrator off, press the I/O switch to the O position.

Ensure concentrator is operated in an upright position

For prescriptions levels below 1 lpm, you must operate the NewLife Elite unit for at least 5 minutes at 2 lpm.

10. If the NewLife Elite unit fails to operate properly, refer to the Troubleshooting section for a list of probable causes and solutions.

Filters

Air enters the NewLife Elite unit through an air intake gross particle filter located on the back off the oxygen concentrator. This filter removes dust particles and other large particles from the air. Before you operate the NewLife Elite unit, make sure this filter is clean and positioned correctly **(Figure 4).**

Figure 4

The supplemental oxygen produced by the NewLife Elite unit receives additional filtration from a product filter located within the oxygen concentrator. Your Equipment Provider performs maintenance on the product filter in addition to other maintenance on the unit.

NOTE

The use of some oxygen administration accessories not specified for use with this oxygen concentrator may impair its performance.

Oxygen Without Humidifier

1. If your physician did not prescribe a humidifier, connect the oxygen tubing directly to the unit's Oxygen outlet. A separate outlet fitting is supplied for this type of connection **(Figure 5).**

Figure 5

Operating With Humidifier

Following these steps if your physician prescribed an oxygen humidifier as part of your therapy:

1. Remove or unscrew the reservoir bottle from the humidifier (If you have a pre-filled unit, do not perform this step. Proceed directly to step 4.)

2. Fill the reservoir with cool or cold water (distilled water is preferred) to the fill line indicated on the bottle. DO NOT OVERFILL.

3. Screw the reservoir bottle back together.

4. On the top of the humidifier, turn the thread nut counterclockwise while you connect the humidifier to the oxygen outlet, and tighten securely (Figure 6).

5. Connect oxygen tubing from the nasal cannula to the humidifier outlet fitting (Figure 7).

Figure 6

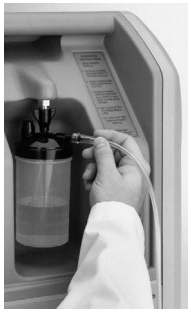


Figure 7

NOTE

The use of certain humidifiers not specified for use with this oxygen concentrator may impair its performance.

NOTE

To Equipment Provider: The following humidifier bottle is recommended for use with the NewLife Elite Oxygen Concentrator:

AirSep Part No. **HU003-1**

Nasal Cannula

Your physician has prescribed either a nasal cannula, face mask, or other accessories (Figure 8). In most cases the manufacturer has already connected the oxygen supply tubing to the nasal cannula, face mask, or other accessory. If not, follow the manufacturer's instructions for proper connection. Connect the oxygen tubing to the oxygen outlet adapter or humidifier.

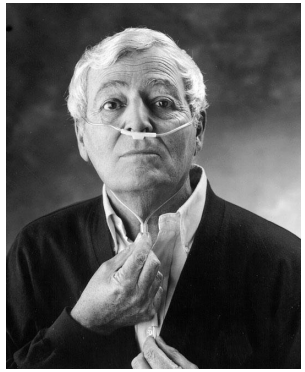


Figure 8

NOTE

To Equipment Provider: The following oxygen administration accessories are recommended for use with the NewLife Elite Oxygen Concentrator:

- Nasal Cannula with 7 feet (2.1 m) of tubing: AirSep Part No. **CU002-1.**
- Oxygen Outlet Adapter: AirSep Part No. **F0025-1**.

Proper Setting of Oxygen Flowmeter

To set the proper flow of supplemental oxygen, turn the flowmeter adjustment knob left or right until the ball inside the flowmeter centers on the flow line number prescribed by your physician **(Figure 9).**

To view the flowmeter at the proper angle, note that the back line and the front numbered line must give the appearance of just one line.

Figure 9

CAUTION

It is very important to follow the prescribed level of oxygen. Do not increase or decrease the flow until you first consult your physician.

CAUTION

Normally, you should not need to adjust the flowmeter on your unit. If you turn the flowmeter adjustment knob clockwise, you will decrease and can shut off the flow of oxygen from your unit. For your convenience, the flowmeter is marked in ½ lpm increments from 1 to 5 lpm. For units with the pediatric flowmeter option, the flowmeter is marked in 1/8 lpm increments for flow settings up to 2 lpm.

Cleaning, Care, and Proper Maintenance

Cabinet

Electrical shock hazard. Disconnect the power cord from the electric outlet before you clean the unit to prevent accidental electrical shock and burn hazard. Only your Equipment Provider or a qualified service technician should remove the covers or service the unit.

Do not use liquid directly on the NewLife Elite unit to clean it. A list of **undesirable** chemical agents includes but is not limited to, the following, according to the plastics manufacturer: alcohol and alcohol-based products, concentrated chlorine-based products (ethylene chloride), and oil-based products (Pine-Sol™, Lestoil™). These are NOT to be used to clean the plastic housing on NewLife Elite, as they can damage the unit's plastic.

Clean the cabinet, control panel, and power cord only with a mild household cleaner applied with a damp cloth or sponge, and then wipe all surfaces dry. Do not allow any liquids to enter the concentrator.

To prevent a voided AirSep warranty, follow all manufacturers' instructions.

AirSep does not recommend the sterilization of this equipment.

Filters

Do not operate the unit without the air intake gross particle filter in place.

At least one time each week, wash the air intake gross particle filter, which is located in the back of the unit. Your Equipment Provider may advise you to clean it more often, depending upon your operating conditions. Follow these steps to properly clean the air intake filter:

1. Remove the filter and wash it in a warm solution of soap and water.

2. Rinse the filter thoroughly, and remove excess water with a soft, adsorbent towel. Ensure that the filter is dry before replacing it.

3. Replace the dry filter.

Reserve Oxygen Supply

Your Equipment Provider may recommend another source of supplemental oxygen therapy in case there is a mechanical failure or a power outage.

Troubleshooting

If your NewLife Elite Oxygen Concentrator fails to operate properly, refer to the chart on the following pages for possible causes and solutions and, if needed, consult your Equipment Provider.

If you cannot get the unit to operate, connect your nasal cannula, face mask, or other accessories to the reserve supplemental oxygen supply (if provided).

Do not attempt any maintenance other than the possible solutions listed below.

Problem	Probable Cause	Solution
Unit does not operate. Power failure condition causes a continuous alarm to sound.	Power cord not connected into electrical outlet.	Check power cord plug at the electrical outlet for a proper connection.
	No power at electrical outlet.	Check power source, wall switch, fuse, or circuit breaker in-house.
	Oxygen concentrator circuit breaker is activated.	Contact your Equipment Provider for service.
Limited oxygen flow.	Dirty or obstructed humidifier bottle.	Remove the humidifier bottle (if used) from the oxygen outlet. If flow is restored, clean or replace with a new humidifier bottle.
	Defective nasal cannula, face mask, catheter, and/or oxygen delivery tube, or other accessory.	Remove nasal cannula, face mask, or other accessories from oxygen tubing. If proper flow is restored, replace with new nasal cannula, face mask, or other accessories.
		Disconnect delivery tubing at oxygen outlet (front of unit). If proper flow is restored, check oxygen tubing for kinks or obstructions. Replace if needed.
	Other leak or restriction.	Contact your Equipment Provider.

Problem	Probable Cause	Solution
Condensation collects in the oxygen tubing when you use the humidifier bottle.	Unit not properly ventilated. Elevated operating temperature.	Make sure unit is positioned away from curtains or drapes, hot air registers, heaters, and fireplaces. Be certain to place the unit so all sides are at least 12 inches (30.5 cm) away from a wall or other obstruction. Do not place the unit in a confined area. Allow oxygen tubing to dry out, or replace with new tubing. Refill humidifier bottle with COLD water. DO NOT OVERFILL.
Intermittent alarm sounds at one second intervals.	Equipment malfunction.	Set I/O power switch to O position, use your reserve oxygen supply (if provided), and consult your Equipment Provider immediately.
Unit does not alarm, or weak alarm sounds for 5 seconds during start-up.	Weak 9-volt battery	Call your Equipment Provider to replace 9-volt battery.
All other problems.		Set I/O power switch to the O position, use your reserve oxygen supply (if provided), and consult your Equipment Provider immediately.

Product Specifications

Oxygen Concentration: *	1-3 lpm: 95.5% - 92.0% 4 lpm: 92% ± 3% 5 lpm: 90% ± 3%	
Dimensions:	28.5 in. high x 15.7 in. wide x 14.5 in. deep (72.4 cm high x 40 cm wide x 36.8 cm deep)	
Weight:	54 lb (24.5 kg)	
Electrical:	120 VAC, 60 Hz, 4.0 amps 350 watts – 5 lpm model Two-prong polarized plug Double insulated cabinet CSA-Approved to IEC 601-1	*Export Models:* 220-240 VAC, 50 Hz, 2.0 amps 220 VAC, 60 Hz, 2.0 amps Double-insulated cabinet
Alarms:	Battery test Power failure High and low pressure Low oxygen concentration (with Oxygen M onitor option)	
Storage Temperature:	-4°F to 140°F (-20°C to 60°C)	

* Based on an atmospheric pressure of 14.7 psi (101 kPa) at 70°F (21°C)
* Operating unit outside of operational temperature range can affect performance.

Classification

Type of protection against electric shock:

Class II Protection from electric shock is achieved by double insulation.
Protective earthing or reliance upon installation conditions are not required.

Degree of protection against electric shock:

Type B Equipment providing a particular degree of protection against electric shock particularly regarding:
1) allowable leakage current;
2) reliability of protective earth connection (if present).
Not intended for direct cardiac application.

Degree of protection against harmful ingress of water:

Drip-proof equipment – IPX1.
Equipment provided with an enclosure preventing of such an amount of falling liquid as might interfere with the satisfactory and safe operation of the equipment.

Method of cleaning and infection control allowed:

Please refer to Maintenance section in the NewLife Elite Service Manual.

Degree of safety of application in the presence of flammable anesthetic gases:

Equipment not suited for such application.

Mode of operation:

Continuous duty.

Oxygen Monitor Option

The following information will acquaint you with Oxygen Monitor option of the NewLife Elite Oxygen Concentrator. Make sure you read and understand all the information contained in this manual before you operate your unit. Should you have any questions, your Equipment Provider will be happy to answer them for you.

WARNING If you feel discomfort or are experiencing a medical emergency, seek medical assistance immediately.

WARNING This unit is not to be used for life support. Geriatric, pediatric, or any other patients unable to communicate discomfort while using this machine may require additional monitoring. Patients with hearing and/or sight impairment(s) may need assistance with monitoring alarms.

CAUTION Contact your Equipment Provider immediately if the amber OXYGEN MONITOR light remains on for more than 15 minutes.

NOTE When you turn the unit on, it's normal for the amber OXYGEN MONITOR light to turn on and remain on for up to five minutes.

Function of the Oxygen Monitor

The oxygen monitor is a small electronic device within the NewLife Elite Oxygen Concentrator that monitors the concentration of oxygen produced by the unit.

Alarm Signal

If oxygen concentration falls below the acceptable therapeutic level, an amber OXYGEN MONITOR light on the Oxygen Concentrator turns on (Figure 10). If the light remains on for more than 15 minutes, an intermittent alarm sounds.

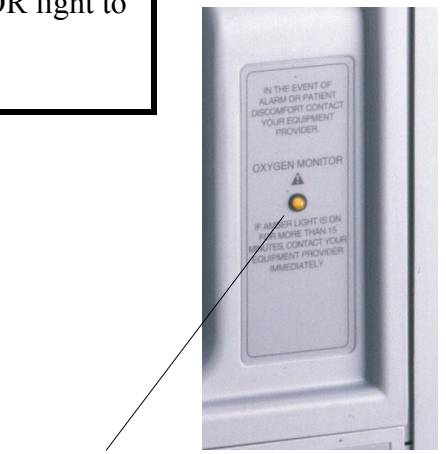


Figure 10

Air Outlet Option

The following information will acquaint you with the Air Outlet option for the NewLife Elite Oxygen Concentrator. Make sure you read and understand all the information in this NewLife Elite Patient Manual before you operate your unit. Should you have any questions, your Equipment Provider will be happy to answer them for you.

If you feel discomfort or are experiencing a medical emergency, seek medical assistance immediately.

This unit is not to be used for life support. Geriatric, pediatric, or any other patients unable to communicate discomfort while using this machine may require additional monitoring. Patients with hearing and/or sight impairment(s) may need assistance with monitoring alarms.

Operating the NewLife Elite Air Outlet

1. Read and understand all information contained in the NewLife Elite Patient Manual's How to Operate Your Oxygen Concentrator section before you operate your unit.

NOTE

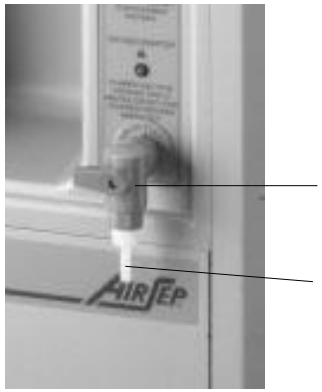
The NewLife Elite Air Outlet option allows you to connect a hand held nebulizer **(Figure 1)**
.

NOTE

You may continue to receive oxygen from the unit while you use the Air Outlet option.

Figure 1

Air Outlet option
* Shown with hand held nebulizer



Air Valve
Part No.
VA007-1

Air Outlet
Barb Fitting
Part No.
F0032-1

Figure 2

2. Locate the air outlet barb fitting on the front of the unit **(Figure 2)**. If a hand held nebulizer will be used, connect one end of the air supply tubing to the air outlet barb fitting and the other end to the bottom of the nebulizer.

NOTE	Oxygen-enriched air is not delivered at the air outlet.

NOTE	In high humidity environments or during extended period of non-use, open the air valve completely **(Figure 3)** to purge/flush the system.

3. Fill the nebulizer cup with medication as prescribed by your physician (Refer to the Nebulizer With Medication section for filling instructions).

4. Operate the NewLife Elite unit for at least five minutes, and then open the air valve completely **(Figure 3)**.

5. Begin your treatment (Refer to the Inhaling Medication/Treatment Instruction sections). Nebulizer medication will now be visible as a fine mist.*

Figure 3

6. When treatment is complete, turn the air valve to the *OFF* position. **(Figure 4)**

Figure 4

NOTE

The NewLife Elite Air Outlet regulator is preset to deliver 6 liters per minute (lpm) at 12 psig (85 kPa).

7. Disconnect the nebulizer and the air supply tubing from the air outlet barb fitting.

8. Clean the nebulizer. (Refer to the Cleaning the Nebulizer section).

* If you think that your nebulizer is not operating properly, contact your Equipment Provider.

Filling the Nebulizer with Medication

1. Wash your hands thoroughly.
2. Use an eyedropper, syringe, or other measuring device to measure out the proper amount of medication, as prescribed by your physician.

NOTE

Use only the amount of medication and frequency of treatment that your physician prescribed

3. Remove or unscrew the medication cup on the nebulizer, and place your prescribed measured dosage into the medication cup
   (Figure 5).

4. Connect the medication cup to the nebulizer, and then connect the "T" piece or mouthpiece to the nebulizer **(Figure 6).**

Figure 5

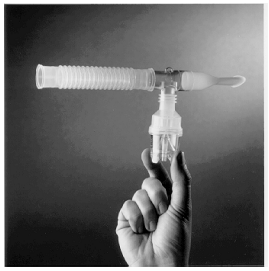


Figure 6

5. Connect one end of the air supply tubing to the air outlet barb fitting and the other end to the bottom of the nebulizer, and open the air valve completely as shown in **Figure 3.**

6. Begin your treatment. (Refer to the Inhaling Medication/Treatment Instruction section)

Inhaling Medication/Treatment Instructions

NOTE

The following instructions for inhaling medication are often recommended. If your physician or health care professional has given you special instructions, make sure you follow them instead, as prescribed.

1. Close your mouth around the mouthpiece, but do not hold it with your teeth **(Figure 7)**.
2. Take a slow, deep breath, and pause at the end of the inhalation for 1 -2 seconds, then exhale slowly and completely.
3. Repeat this procedure until the prescribed amount of medication nebulizes or the Prescribed amount of treatment time elapses (whichever occurs first).
4. If your physician or health care professional instructed you to take short rest periods During your treatment, make sure you turn the air valve to the *OFF* position, as shown in **Figure 4.** This will conserve your medication.

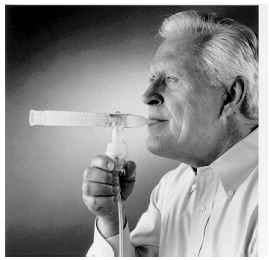


Figure 7

NOTE

Prolonged treatment time can indicate a defective nebulizer. Contact your Equipment Provider if this condition exists.

Cleaning the Nebulizer

NOTE

Perform steps 1 and 2 below after each treatment to prevent medication from collecting and hardening inside the nebulizer parts.

1. After each treatment, separate the nebulizer and the "T" piece or mouthpiece assembly.
2. Remove or unscrew the nebulizer cup, and rinse each component thoroughly in warm water.
3. Once a day, clean all nebulizer parts (excluding air supply tubing) with a mild detergent or soap solution in warm water. Rinse thoroughly, and soak all parts in a solution of one (1) part white vinegar and three (3) parts water for 30 minutes to disinfect.
4. Rinse thoroughly in warm water to remove the disinfectant solution.
5. Place all nebulizer parts on a paper towel or soft absorbent material to air dry. **DO NOT WIPE DRY.**
6. When dry, store the nebulizer parts in a clean container or plastic bag.
7. Repeat the above procedure after each treatment/patient use.

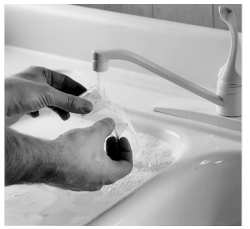


Figure 8

CAUTION

Federal (USA) law restricts this device to sale or rental by order of a physician or other licensed health care provider.

[Read the Important Safety Rules section before operating this equipment.]

Dual Flow and Pediatric/Low Flow Options

The following information will acquaint you with the 5 liter dual flow and pediatric/low flow options of the NewLife Elite Oxygen Concentrator **(see Figure 9).** Make sure you read and understand all the information contained in this manual before you operate your unit. Should you have any questions, your Equipment Provider will be happy to answer them for you.

"No Smoking – Oxygen in Use" signs must be prominently displayed in the home, or where the oxygen concentrator is in use. Patients and their caregivers must be informed about the dangers of smoking in the presence of, or while using, medical oxygen.

If you feel discomfort or are experiencing a medical emergency, seek medical assistance immediately.

This unit is not to be used for life support. Geriatric, pediatric, or any other patients unable to communicate discomfort while using this machine may require additional monitoring. Patients with hearing and/or sight impairment(s) may need assistance with monitoring alarms.

Use no oil, grease, or petroleum-based or other flammable products on or near nasal end of cannula or the NewLife Elite unit. Oxygen accelerates the combustion of flammable substances.

This device supplies high-concentration oxygen that promotes rapid burning. Do not allow smoking or open flames within the same room of (1) this device, or (2) any oxygen-carrying accessory. Failure to observe this warning can result in severe fire, property damage and / or cause physical injury or death.

Dual Flow Application

The NewLife Elite unit's dual flow option allows a single concentrator to meet the high flow requirements of one patient **(Figure 9)** or the needs of two patients, in any combination of flows up to the maximum capacity of the concentrator. Excellent for use in the home, extended care facility, hospital, or physician's waiting room.

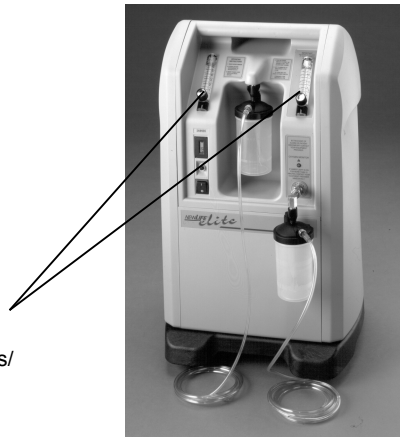


Figure 9

Pediatric/Low Flow Application

The pediatric flowmeter (available for use with the dual flow NewLife Elite unit) meets low flow requirements up to 2 lpm in 1/8 liter (125 ccm) increments **Figure 10).**

Figure 10

Setting the Pediatric Flowmeter

When using the pediatric flowmeter, the unit will not reach proper concentration at the pediatric setting (less than 2 lpm) until you bleed off a portion of the oxygen by opening the primary flowmeter (on the left side of the unit). Follow the procedure below when using the pediatric flowmeter.

1. Follow the start-up instructions 1-7 as outlined on page 9 & 10.
2. Set the pediatric flowmeter to the prescribed flow.
3. Set the primary flowmeter to 2 lpm to bleed off excess product, and allow the unit to achieve maximum concentration.

The NewLife Elite Oxygen Concentrator must be operated for at least five minutes at 2 lpm before using the unit.

The NewLife Elite is appropriate for usage by two patients, provided the combined flow is a minimum of 2 lpm and does not exceed the maximum capacity of the concentrator.

Symbols/Abbreviations

Symbols are frequently used on equipment and/or the manual in preference to words with the intention of decreasing the possibility of misunderstanding caused by language differences. Symbols can also permit easier comprehension of a concept within a restricted space.

The following table is a list of symbols and definitions that may be used with the NewLife Elite Oxygen Concentrator.

Symbol	Description	Symbol	Description
	ON (power switch on)		OFF (power switch off)
	No smoking		Do not disassemble
	Type BF equipment		Consult instructions for use
	Warning – Describes a hazard or unsafe practice that if not avoided can result in severe bodily injury, death or property damage		Class II Device
	Caution – Describes a hazard or unsafe practice that if not avoided can result in minor bodily injury or property damage		Complies with the 93/42/EEC directive drawn up by the approved organization No. 0459
	Note – Provides information important enough to emphasize or repeat		Safety agency for CAN/CSA C22.2 No. 601.1 M90 for medical electrical equipment

Symbol	Description	Symbol	Description
	Safety agency for CAN/CSA C22.2 No. 601.1 M90 for medical electrical equipment.		Oxygen concentration warning LED
	Keep unit and accessories dry		Consult the accompanying documents
	Use no oil or grease		Proper disposal of waste of electrical and electronic equipment required
	Oxygen outlet connection to the cannula		Do not expose to open flames
	Fragile – handle with care		Keep in the vertical position
	Caution: Federal law (USA) restricts this for sale or rental by or on the order of a physician or licensed health care provider.		

For European representative:

Gavin Ayling
9 Bungham Lane
Penkridge Stafford
Staffordshire ST19 5NH England

E-mail: eurorepcontact@ airsep.com

CE
0459

For service on your NewLife Elite Oxygen Concentrator, please contact your local Equipment Provider at:

Manufactured by:
AirSep Corporation
Buffalo, NY 14228-2085 USA
www.airsep.com

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